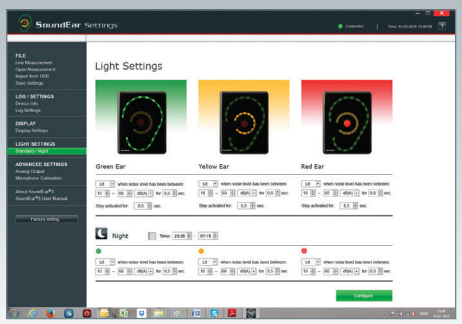
SoundEar®4 – 410 industry

Measure, monitor and manage the noise with the NEW SoundEar®4-410 with integrated dosimeter and WIFI

The SoundEar®4 is an advanced noise monitoring device equipped with WIFI and Modbus communication capabilities, along with an open API for seamless intereation with various systems.

Soundear®4-410 can either be used as a standalone system or connected to a wide range of IoT and cloud solutions.
Soundear®4-410 has an integrated Dosimeter so you can monitor noise exposure throughout the working day.

Its design caters to the growing need for smart, interconnected devices that can ealily share and process data within the modern technological ecosystem.



SoundEar®4 software.

External microphone.

The mini display on SoundEar®4 – 400 and 410 is operated manually via the touch panel on the front.

Technical data SE®4-410

Standards: EN 60601-1:2006+A1:2013+A2:2021: Medical Electrical Equipment Part 1: General requirements for basic safety and essential performance.
EN 60601-1-2:2015+A1:2021: Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests - Immunity and Emission.
EN 61000-3-2:2014: Harmonic. **EN 61000-3-3:2013:** Flicker. **EN 63000:2018:** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances. Dampness and dust: IP 42. Compliance with Class 1

PARAMETERS:
Measures 3 measurements simultaneously, Fast, Slow, LAF; LAS; LCpeak; Laeq, 1s, Laeq ¼ h, Laeq 1/2 h.

Resolution:	0.1 dB for all parameters
Measuring Ranges:	RMS: Total 30 – 120 dB
Deviation:	+/- 0.5 dB
Frequency Range:	20Hz - 20 kHz
Frequency Weightings:	A- weighting (RMS), C-weighting (Peak)
Time Weighting:	Slow (1S) Fast (125 ms)
Dynamic Range:	90 dB and peak detection
Noise Dose Meter:	measure the frequency weighted noise exposures over 8 hours
Real Time Clock:	Hi-precision type with battery backup (CR2032)
Microphone:	20 Hz - 20 kHz

CONNECTIVITY: WiFi/Lan, Modbus

MECHANICAL FEATURES:

Cabinet:	Shockproof acrylic
2xUSB:	USB-C (power & PC for Log and configuration)
Measurement:	Length 256 mm, Width: 205 mm, Height: 45 mm Weight: 1.5 kg

ELECTRICAL FEATURES:

Power Supply:	5VDC (USB-C)
Current Consumption:	max 2,5 W

TEMPERATURE: During operation: 0 °C to 50 °C
When stored/during transport: -20 °C to 60 °C

MINI DISPLAY SETTING: LAeq 1 s., Alarm level, Clock and mini display off